



## **Department of Energy**

**Pittsburgh Naval Reactors Office  
Idaho Branch Office  
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**NR:IBO-02/043**

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**SUBJECT: SUBMITTAL OF VALIDATED SOIL SAMPLE DATA FOR THE OU 8-08  
REMEDIAL ACTION EXCAVATION WORK (DATA SET FOR NRF-12A)**

This letter forwards the validated NRF soil sample data collected in support of the current NRF OU 8-08 Remedial Action. The data is being submitted within the time frame as specified in the INEEL Federal Facility Agreement/Consent Order (FFA/CO). This set of soil sample data was analyzed by the off-site contract laboratory and consists of analytical results of soil samples collected from two sample locations at Site 8-08-12A.

All of the metals detected were equal to or below published INEEL background concentrations with the exception of selenium (0.47 and 0.57 ppm detected, compared to a background concentration of 0.34 ppm) and silver (0.7 and 0.72 ppm detected, compared to a background concentration that is not detectable). However, both of these were below risk-based concentrations and previous remedial investigation sample results. In addition, the silver results were qualified as an estimate because silver was detected in the method blank. Neither metal is a contaminant of concern at OU 8-08.

From a review of the organic data from Site 8-08-12A, fluorene, m,p-cresol, and PCB were detected at one sample location at trace levels. These organics are not contaminants of concern at OU 8-08. No other organics were detected.

From a review of the radiological data from Site 8-08-12A, the programmatic constituents detected at these sample locations were cesium-137 (0.33 and 5.8 picocuries-per-gram-pCi/g), cobalt-60 (0.28 pCi/g) and strontium-90 (0.86 and 1.54 pCi/g). These levels are below the Record of Decision cleanup level.

All of the soil data were deemed acceptable and useable (100 percent) by the data validation process. The analytical data provided by the laboratory were found to be 83.3 percent complete for the total metals, 100 percent complete for the PCB data, 94.4 percent complete for semi-volatile organic data, and 100 percent complete for the radiological data.

If you have any questions and/or comments regarding this information, please contact me at (208) 533-5755.



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Attachments:  
Addressees only

cc: J. L. Lyle, DOE-ID

**ATTACHMENTS WERE NOT AVAILABLE**

INITIAL gj  
DATE 4/02/02